

Enzymatic Activity of Aphroproteins

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Abstract

Chitinase and proteinase activities were found in aphroproteins excreted by larvae of the cicada *Aphrophora costalis* Mats; this accounts for their fungicidal effect. Aphroproteins did not show DNase or RNase activities and did not exhibit properties of proteinase inhibitors. The data suggest that larval foam protects the larva and host plant from entomogenous and phytopathogenic fungi.

Keywords

Aphroproteins, Chitinases, Liquid excretion of cicada *Aphrophora costalis* Mats larvae, Natural fungicides, Proteinases